BRUHAT BENGALURU MAHANAGARA PALIKE

Yelahanka Project division

Name of work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Modified Schedue B

SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.(Volume II Item -19.7.3 Pg no 163)	Cum	4.48	903.46	4047.51
2	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking to the appropriate disposal area as per direction of Engineer-in-charge. (Volume II, Item No. 19.13.2 , Page No. 164)	Sqm	0.00	0.00	0.00
3	Providing Brick work with common burnt clay modular bricks of class designation 3.5 in foundation and plinth in Cement mortar 1:6 (1 cement : 6 coarse sand) including cost of all materials, labour, scaffolding and usage charges of machinery & other incidental charges complete as per the direction of engineer incharge of work. (Volume II , Item No. 6.4 , Page No. 13)	Cum	0.50	8546.78	4307.58
4	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement : 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing andremoving scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (Volume II , Item No. 8.9 , Page No. 42)	Sqm	48.11	376.73	18124.58
5	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.s (Volume II, Item No. 8.25 , Page No.45)	Sqm	1384.09	120.24	166418.52
	Above 125%	Sqm	680.46	120.24	81815.75
6	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge(Volume III Item no - 8.30 Pgno 46)	Sqm	1334.40	155.73	207805.27
7	Providing and fixing in position fully panelled Honne wood shutters for doors with , stiles and rails of 35mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) (Volume II , Item No. 12.17 , Page No.100)	Sqm	0.00	0.00	0.00
8	Painting wood work with Deluxe Multi Surface Paint of required shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @0.75 ltr/10 m² of approved brand and manufacture to give an even shade including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, sand papering and knotting , cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Volume II , Item No. 8.33.2 , Page No.46)	Sqm	0.00	0.00	0.00

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
9	Providing & Fixing of Mineral Fibre Suspended Ceiling System in the module size of 600x600x19mm with Exposed grid for Hospitals, Shopping malls, Commercial establishments and office complexes.The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance 87%, Thermal Conductivity k = 0.052 - 0.057 w/m K, NRC -0.7,Colour White, Fire Performance UK A2 S1, dO, with Anti Microbial coating on the face of the tile, suitable for zone 4 area according to NF S 90-35:2003 with cleanroom class of ISO 5 (Class 100), Decontamination Class of CP1Oand Bacteriological Cleanliness Class B1 for specific strains and reduction in colony size. Washability properties of 500 wash cycles as per ASTM D-4828 and suitable for Green Building application with Recycled content of 37%. The tile shall be laid on 24mm wide T - section flanges colour white having rotary stitching on all T sections i.e. the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 38mm and a load carrying capacity of 15 kg/m2 & pull out strength with all lead and lift, loading, transportations, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per direction of the	Sqm	34.00	2125.24	72258.31
10	Providing and supplying 'Acoustical Wall Paneling' with square edges made of fibre glass substrate 25mm thick and wrapped on the front side with an acoustically transparent and classified for Fire reaction Class A, as per ASTM E-84, fabric with option of colors - as per the choice of the Architect/Engineer incharge of the size 600x600mm, 600x1200mm & 600x1800mm providing a minimum sound absorptionlevel of 0.85 NRC to be affixed to wall using Wall panel Impaler sand construction adhesives as per the instructions laid down by the certified manufacturer. (Volume II Pg -32 Item 7.51)	Sqm	0.00	0.00	0.00
11	Sharing workstation 2B) Size : 1200 mmW x 540mm D x 1200 mm ht - (Sharing-Postformed table top): Back to Back (set of 2) Item 39.15.2 Pg no- 332	Nos.	0.00	0.00	0.00
12	Mobile pedestal unit- WOODEN : Providing and fixing 450mmw X 450 mmd X 685 mmht) Mobile pedestal unit-WOODEN with 18mm thick PLPB with edge bonded for body, Two equal drawer and filing drawer with centralized locking system, Telescopic channels, castors, Handles and lock etc., complete as per specifications, drawings and as directed by Engineer in charge. (P.No. 320, I.No. 39.25 of SR 2018-19) Item 39.25 Pg no 335.	Nos.	0.00	0.00	0.00
13	Executive Revolving Chairs Optima (Data rate Copy)	Each	0.00	0.00	0.00
14	Supplying and drawing UTP-CAT 6E LAN cable. (pg 54/9.1)	m	0.00	0.00	0.00
15	Supplying and fixing patch panels for LAN cabling 48port 10/100/1000 patch panel. (9.9.9/Pg54)	Each	0.00	0.00	0.00
16	Supplying and fixing of network switches 48port gigabyte (managable)(9.9.1/pg54)	Each	0.00	0.00	0.00
17	Supply & providing of floor mounted Rack	Each	0.00	0.00	0.00

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
18	Interactive Flat Panel ViewSonic 75inch Interactive flat panel with OPS Specification for IFP : 75 Inch, 4K, 350 nits, 20 points, Intel standard OPS slot, Slim IR Dual pen Android 8.0, RAM 2GB, Storage 16GB, EEI rating A+, Contrast Ratio - 4000:1 Max., Speaker 10W X2 Native Whiteboarding tool with built-in proprietary App, Menu in Local Language, Built-in facility to convert instantly speech of the host text, Facility to convert the whole English text or part of text in to Hindi, Kannada or other Local Language, Built in tool to allow students to submit answers from their smart phones/Tablets/PC, Various options for answering - True/False, Single Choice, Multiple Choice and option to submit answer in writing, certified by Google for Education and Microsoft and bundled within the software, Google icon within the software itself for Android as well as PC Mode, each user can customized the Google as per their usage and can be saved as individual preference, Multiple User can sign in and customize as per their p with all lead and li	Each	0.00	0.00	0.00
19	Grid Ceiling Speakers JBL - 8 Speakers 12 W, Speaker Cable,	Each	0.00	0.00	0.00
20	VGA Cable with Audio (1.8mts.) (Cable cubby to scaler below the table)	Each	0.00	0.00	0.00
21	Clicktronic HDMI Cable-1.5 mts. (Cable cubby to scaler below the table)	Each	0.00	0.00	0.00
22	Clicktronic HDMI Cable-15 mts. from the VC to the switcher in the rack	Each	0.00	0.00	0.00
23	VGA Connectors/ EP Connectors/ RS-232 Connectors/ Phoenix Connectors/ RJ-45 Connectors/ HDMI Jointer/ IEC Connectors	Each	0.00	0.00	0.00
24	9U Rack-(Colour-Light Grey or Black)-9U x 600 x 600 Floor Standing Rack, Front Glass & rear Steel Door, Top cover (no fans), Side Steel Covers - removable with one fan of either side, 19 inch PDU with 6 points of 5A sockets - 1 no. with wheels	Each	0.00	0.00	0.00
25	Vga cable	mtr	0.00	0.00	0.00
26	patch plate with connectors	No	0.00	0.00	0.00
27	48 Port Switch	No	0.00	0.00	0.00
28	PA System Yamaha mixer MG10	No	0.00	0.00	0.00
29	Collar / Lepel mic and Hand held Mic	No	0.00	0.00	0.00
30	Supplying of Crown amplifier	No	0.00	0.00	0.00
31	Installation, programming & Commissioning	No	0.00	0.00	0.00
32	All in One PC i5/8GB/256GB SSD +1TB HDD Win 10/21.5" Monitor Keyboard & Mouse	NO	0.00	0.00	0.00
33	Firewall	NO	0.00	0.00	0.00
34	UPS 10KVA with 2hrs backup	NO	0.00	0.00	0.00
35	UPS 1KVA with 2hrs backup	NO	0.00	0.00	0.00
36	Stage table	no	0.00	0.00	0.00
37	Web Camera and USB Extended Cable	NO	0.00	0.00	0.00
38	Internet for 12 Months for 34Pcs (1000Mbps/5000GB/per month)	LS	0.00	0.00	0.00
39	Wooden Podium	NO	0.00	0.00	0.00
40	Network Face Plate, IO Connectors, RJ 45 Connectors, Network Patch Cord-1mts and 2mts	NO	0.00	0.00	0.00

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
41	CCTV - 2nos - 2MP Camera, 4 Channel NVR - 1nos, 4Port POE Switch, HDD-4TB, required Cabling	NO	0.00	0.00	0.00
42	Corridor Speakers,Mic ,Cables , Dashboard,Control Board , and all Components and accessories. (Data Rate)	NO	0.00	0.00	0.00
43	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness. By Mechanical Means using Dozer In area of light jungle (Vol III , P.No 07 Sl.No 2.5 A)	Hactare	0.40	180970.97	72388.39
44	De-silting tank bed/Feeder Channel/Canal in dry condition by excavating the deposited bed material and loading the same to transport vehicle (excluding cost of transportation) including cost of all machinery, labour etc., complete with all lead and all lifts (VoL IV , P.No 39 Sl.No 6.18)	Cum	7737.25	52.67	407544.70
45	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m (Vol I , P.No 8 Sl.No 1.14.1)	Cum	213.75	83.59	17868.40
	Above125%	Cum	64.11	83.59	5358.94
46	Providing casing embankment using semi-pervious/ pervious soil collected in embankment area in heaps as part of disposal of excavated soil from canal in layer of 250 to 300 mm (before compaction) including cost of all materials, machinery, labour, all operations such as collection of soil, spreading in soil in layer of specified thickness , sorting-out,lavelling, breaking clods, sectioning edges/sides, watreing and compacting each layer to density control of not less than 95 percent or as stipulated by power roller etc., complete with lead upto 1 km for water. (Vol IV Item No 3.60 Pg No)	Cum	1589.47	239.32	380399.09
47	KSRRB M2500-4.1. Providing and laying pitching stones of size 0.3x 0.3x0.3 on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embackment complete as per drawing and Technical specification including cost of all material, labour, HOM complete as per specification. A.stone / Boulder MORTH specification No.2504 (Vol III Item No 16.40 Pg No 111)	Cum	386.67	1872.19	723911.09
48	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting,barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m (Vol I ,P.No 8 Sl.No 1.14.1)	cum	0.00	0.00	0.00

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
49	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8(M5) Using 40 mm nominal size graded crushed coarse aggregates (Vol I , P.No 15 Sl.No 2.1.2)	Cum	5.74	6142.14	35240.52
	Above125%	cum	20.78	5961.39	123892.60
50	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol I , P.No 15 Sl.No 2.2.2 .1)	cum	0.00	0.00	0.00
51	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Vol II , P.No 84 Sl.No 11.32) Issue Rate as on 07.04.2022	Kg	4508.21	121.38	547193.75
52	KSRB M2500-3 :Providing and laying Filter material underneath pitching in slopes complete as per drawing and Technical specification including cost of material, machinery, labour HOM complete as per specifications. MORTH Specification No. 2504. (Vol III Item No 16.40 Pg No 111)	Cum	0.00	0.00	0.00
53	KSRRB M2500-4.1. Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications A. Stone / Boulder MORTH Specification No. 2504 (Vol III Item No 16.4A Pg No 111)	Cum	0.00	0.00	0.00
54	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) (Vol III , P.No 3 Item No. 1.1)	cum	7644.03	179.57	1372656.14
	Above125%	cum	93.22	197.53	18413.08
55	Earth work in surface excavation for stripping, seating of bund, Road way by manual means for lowering & levelling the ground for all works other than foundation & depth in Ordinary rock and soft rock upto 300mm depth as per drawing and technical specifications, including setting out, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. (Vol I , P.No 5 Item No. 1.2)	Cum	162.58	517.57	84146.06
56	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work. (Vol I , P.No 7 Item No. 1.8)	Cum	0.00	0.00	0.00

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
57	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates (Vol I , P.No 15 Item No. 2.1.4)	Cum	239.90	6785.67	1627910.53
58	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications. (Vol II , P.No 64 Item No. 9.31)	Sqm	369.45	1244.69	459845.53
59	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)	No's	1517.33	527.77	800803.38
60	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (Volume III , Item No : 8.10 , Page No :)	Sqm	98.10	97.34	9548.63
61	Providing and fixing of Ornamental Granite Pillar of overall height of 1250mm 200x200sqmm, Octagonal to a height of 820mm and carving design at bottom as shown in drawing .and 280mm respectively as per the approved Design and drawing including quarry cutting to the required size and transporting the same from quarry to work spot\ including loading and un loading with all lead and lift etc. complete as per design and drawing. The work shall be carried out as per design and drawing. Firmly fixed to the ground by means of properly designed foundation of size 300mm x 300mm x 300mm in 1:1.5:3 ratio cement concrete The work shall be carried out as per the engineers in charge of the work etc. and completion of the work as per directions of the Engineer-in-charge of the work.	Each	102.00	15822.74	1613919.89
62	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (Volume III , Item No : 8.10 , Page No :)	Sqm	0.00	0.00	0.00
63	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts,	Kg	1982.03	572.53	1134775.71

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
64	Earth work in surface excavation for stripping, seating of bund, Road way by manual means for lowering & levelling the ground for all works other than foundation & depth in Ordinary rock and soft rock upto 300mm depth as per drawing and technical specifications, including setting out, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. (Volume I , Item No : 1.2 , Page No : 5)	Cum	144.03	517.57	74546.26
	Above125%	Cum	106.22	517.59	54979.52
65	Wet Mix Macadam (Plant mix method) Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. (Volume III , Item No : 4.27 , Page No : 19)	Cum	291.91	2741.29	800223.10
66	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing. (Volume III , Item No : 6.1 , Page No : 43)	Cum	57.61	4804.70	276810.78
	Above125%	Cum	75.65	4609.03	348660.26
67	Cement Concrete Pavement with OPC/PPC/PSC Construction of M40 grade un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with Cement at 420 kg/m3, coarse and fine aggregate conforming to IS 383:2016, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design transported to site, laid with a paver finisher, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing (Volume III , Item No : 6.2 , Page No : 43)	Cum	0.00	0.00	0.00
68	Dismantling chain link fencing including removing the posts, cement concrete fedestals, foundation and stacking the useful materials safely at a distance to the appropriate disposal area as per direction of Engineer-in-charge. (Volume II , Item No. 19.58 , Page No. 169)	Kg	8983.80	19.47	174924.43
69	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge.Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) (V-2) (Volume II , Item No. 19.2.2 , Page No. 163)	cum	22.80	903.46	20601.12
70	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineerin- charge. In cement mortar (Volume II , Item No. 19.9.2 , Page No. 163)	Sqm	94.33	1477.14	139338.13

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
71	Earth work excavation by manual means for drains,canals, waste weir draft, approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work. In ordinary/soft rock without blasting upto 1.5 m depth (Volume I , Item No. 1.5.1 , Page No. 6)	Cum	356.25	262.23	93419.44
	Above125%	Cum	274.90	262.23	72086.97
72	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates (Volume I ,Item No. 2.1.3 ,Page No. 15)	cum	213.89	6586.43	1408769.21
73	Providing Coursed rubble masonry (second sort) with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Volume II , Item No. 5.3 , Page No. 9)	cum	597.19	6029.92	3600992.85
	Above125%	Cum	111.83	5952.23	665663.45
74	Providing Coursed rubble masonry (first sort) with hard stone in foundation and plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Volume II , Item No. 5.2 , Page No. 9)	cum	311.49	6424.98	2001330.20
75	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge. (Volume II , Item No. 8.19.1 , Page No. 44)	Sqm	1224.29	229.01	280377.67
76	Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq. Hallow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*75mm galvanized flat for alround frame and 20mm*20mm galvanized- forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flat, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading with cost and conveyance of all materials, labour, machinery and incidental charges for the successful complete of the work as per the direction Engineer-in-charge with all lead and lift, loading, transportations, u	Sqm	2647.61	16270.36	43077538.21

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
77	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72*72*4.8mm Sq. GI Pipe frame with top pipe bending in heavy duty hydraolic press with sand packing and hot bending to form double arch as per drawing profile,20mm hot dip galvanised sq.rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged omamental design in between sq.rods and heads at top,middle and bottom. Intermediate supports of 75*12mm and 50*6mm arch bent to hot .dip galvanised flats.the work is inclusive of throughing GI.flat GIsq.rods,placing,welding all the joints including grinding,finishing metal patty,painting wo coats enamel painting.The rate is inclusive of all materials like GI sq.pipe,GI.Sq.rods,GI forged designs etc., heavy duty hinges are made out of 75mm solid sq.block assembled with 20mm dia bearing in the three places for each flop. Heavy duty locking arrangements at low places including cost of labou,pailnting,erecting charges using hoist pulley cranes with all with all lead and lift, loading, transportations, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per direction of the	Sqm	68.38	22224.71	1519681.19
78	BASAVESHWARA (SITTING) bronze sculpture with following specification a) Making of clay modeling as per the approved schematic sketch b) Making of POP negative mould as per the approved clay model c) Making of FRP (Fiber Reinforced Plastic) casting master pattern d) Making of Bronze Metal (88% of copper and 12% of tin) casting by ABC mould by silica sand process with all necessary melting process materials e) Making of hand carving/ Chiseling grinding, brazing, antic bronze oxidizing by acid process including cost of bronze ornamental finishing f) Imported PU Poly utherin lacqor coating g) The height of the Statue would be about 5 feet height with a weight of about 1200.00 kgs (apporx) excluding weight of MS supporting fabrication work for strengthening of statue including cost of all necessary raw materials, labour, artizans and semi artizans works including erection, with all applicable taxes etc., (Including Erection and transportation charges etc.,) complete as per the direction of engineer in charof operation 50KVA/4	Each	1.00	4163880.00	4163880.00
79	Earth work in surface excavation by manual means for lowering & levelling the ground by chiselling and wedging in Hard rock for all works other than foundation & depth not exceeding 100 mm as per drawing and technical specifications, including setting out, barricading, caution lights, dressing of excavated surfaces, disposing off the excavated spalls/stuff & stacking the selected spall/ stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work. (Volume-1, Pg. No. 5, It. No. 1.3, PWD, SR 2021-22)	Cum	0.00	0.00	0.00
80	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. (Volume-2, It. No. 6.4 of PWD SR 2021-22)	Cum	2.00	2932.52	5865.04
	Above 125%	Cum	1.80	2932.60	5278.68

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
81	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Volume-1, Pg. No. 16 & 17, It. No. 2.4.3 of PWD SR 2021-22)	Cum	26.34	7789.80	205183.33
	Above125%	Cum	5.28	7547.58	39861.65
82	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Volume-1, Pg. No. 16 & 17, It. No. 2.4.3 of PWD SR 2021-22)	Cum	5.58	8655.33	48309.72
83	KSRB 2.5 : Earthwork excavation (in soil deposits) and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. specification. No. KBS 2.9.9 / 2.9.10.1 / 2.1.1 (P.No.7, I.No.2.12 of PW, P&IWTD SR 2018-19)	Cum	0.00	0.00	0.00
84	Providing, fixing Ornamental Granite Column of overall height of 2585mm, 430x430sqmm @bottom, octagonal at a height of 1250mm for a height of 390mm, flower design on both faces of the pillar above the octagonal for a height of 430mm and carving design for a height of 350mm and above that 590mmx590mmx160mm pedestal cap as per the approved Design including quarrying cutting to the required size and transporting the same from quarry to work spot including loading and un loading with all lead and lift etc.., complete as per design and drawing. The work shall be carried out as per the directions of the engineers in charges	Each	0.00	0.00	0.00
85	Providing and fixing 20mm thick gang saw water cut Lakared granite for cladding in CM 1:3 (1 cement : 3 coarse sand) proportion with a coat of rough plastering using CM 1:4 (1 cement : 4 fine sand), cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, mortar, labour for all items of work, usage charges of machinery etc., complete as per specification. (Item 10.19 P.No 72)	sqm	12.69	4021.48	51028.50

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
86	Supplying and fixing M15 grade precast cement concrete Kerb stones for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finsihed in line as per direction of Engineer in charge. (The cost of PCC shall be paid extra) 300 x 300 x 150 mm Kerb Stone (Volume III , Item No. 21-A 6.7 , Page No. 146)	m	0.00	0.00	0.00
87	High quality long throw multi color wash light, Protection Rating : IP65, Additional wall mount yoke arrangements for fixing the lights. Power consumption : 50W, CCT : RGBW, Beam Angle 25° / 45°, Control : DMX512, Die casted / extruded aluminium body, Optics Designed to minimize hot spots & fringing in color mixing applications. Power Input : DC 24V (without DC Driver) Code: AK Wash 50 RGBW / Equivalent	Each	13.00	17586.15	228619.91
88	High quality spot light, Power : 12W, CCT : RGBW, Protection Rating : IP65, additional wall mount yoke arrangements for fixing the lights. Beam Angle 15°/25°, Body : Die casted / extruded aluminium, Optics Designed to minimize hot spots. Power Input : DC 110-230V,50Hz. Code: AK SL 12 RGBW / Equivalent	Each	3.75	8848.25	33180.92
	Above 125%		0.25	8848.50	2212.13
89	High quality long throw multi color linear wash light, Protection Rating : IP65, Additional wall mount yoke arrangements for fixing the lights. Power consumption : 80W, CCT : RGBW, Beam Angle 25°, Control : DMX512, Die casted / extruded aluminium body, Power Input : DC 24V (without DC Driver) Code: AK IP LW 80 RGBW / Equivalent	Each	5.00	25851.45	129257.24
90	High quality Linear Profile light, Protection Rating : IP65,Power loopin and loop out for easy of connections. Power : 15W, 17mm CCT : RGBW. Beam Angle 120°. Body : Extruded aluminium. Power Input : DC 24V (without DC Driver) Code: AK IP LW 15 RGB / Equivalent	Each	51.25	4761.40	244021.58
	Above 125%	Each	8.75	4761.53	41663.42
91	High quality 360° LED Window Trick Light - Surface Mounted, RGBW, DMX Compatible, Working Voltage: DC24V, Power: 5W x 4CH, (Without DC Power Drive) Code: AK TL 360 RGBW / Equivalent	Each	34.00	23645.63	803951.54
92	High quality long throw multi color linear wash light, Protection Rating : IP65, Additional wall mount yoke arrangements for fixing the lights. Power consumption : 30W, CCT : RGBW, Beam Angle 25°, Control : DMX512, Die casted / extruded aluminium body, Power Input : DC 24V (without DC Driver) Code: AK IP LW 30 RGBW / Equivalent	Each	60.00	18354.38	1101262.98
93	DC power driver for the above Lights, Power : 200W, Input : AC 110-240V AC, 50Hz, Output : DC 12/24V, Protection rating, IP65, Surge protection : MW 4KV, MW 6KV / Equivalent	Each	45.00	8194.52	368753.21
94	High quality DMX decoder, Power Input : DC 24V, Protection rating : IP65.	Each	20.00	4530.30	90606.03
95	Flexible Multicore Cable 3C X 1.5Sq.mm	M	625.00	28.63	17894.77
	Above 125%	M	25.00	28.63	715.79
96	Flexible Multicore Cable 3C X 2.5Sq.mm	M	250.00	46.84	11710.91
97	5 core DMX armoured cable comprises twisted pairs with shield support for carrying of data. DMX512 cable is used for connecting all light consoles that use DMX 512 standard data transmission. (As per actuals depending upon the site condition)	each	675.00	315.41	212904.39
98	IP65 "T" power connectors easy and extremely precise locking system. High impact materials - long- lasting and reliable	each	105.00	1048.26	110066.96
99	IP65 "I" power connectors having 3/4 pole cable connector, chuck type strain relief, Current rating 20 A rms continuous, Easy and extremely precise locking system "Quick Lock" High impact materials - long-lasting and reliable	each	124.00	1746.75	216596.71
100	IP65 DMX connectors having 3/5 pole cable connector, Male/Female connector with improved latch, cage type contacts, "solder stop" for easy soldering, and additional ground contact for best contact integrity between chassis and cable connector. More durable housing for maximum reliability.	each	140.00	1128.41	157977.61
101	IP65 "XLR" male connectors having 3/5 pole cable connector, Male/Female connector with improved latch, cage type contacts, "solder stop" for easy soldering, and additional ground contact for best contact integrity between chassis and cable connector. More durable housing for maximum reliability.	each	20.00	717.23	14344.57

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
102	IP65 "XLR" female connectors having 3/5 pole cable connector, Male/Female connector with improved latch, cage type contacts, "solder stop" for easy soldering, and additional ground contact for best contact integrity between chassis and cable connector. More durable housing for maximum reliability.	each	8.00	717.23	5737.83
103	Waterproof power junction box /power cable terminal box, IP65 made up of rugged, non-corrosive, high impact polycarbonate, molded nylon encases connectors that use screw compression to secure the wires, protection against water jets and dust from all directions, includes 5 Way min 10A connector terminal block Max. dimension : 80 * 250 * 85mm	each	12.00	1199.20	14390.37
104	DMX isolator or splitter provides Isolated optical DMX splitter provides 8 outputs from a 1 input and Input voltage: AC 110 to 220 V, 50 Hz, Product features: Group 1 & group 8 DMX signal change.	each	2.00	34951.61	69903.22
105	Master Controller consits of 24 Physical Faders to control atleast 96 channels 4 Individual page control switches Master control fader Black out mode Scene saving option upto 96 memories LCD display Smooth movement faders Easy access key pads DmX 512 protocol, 5 Pin XLR Output Optional chase & multifunction keys Sequence mode select. Code: CX – 12 / equivalent	each	1.00	201859.70	201859.70
106	Custom Computer for show programming with required graphic card, memroy, software	each	1.00	131682.71	131682.71
107	Additional accessories, Technicians, Electricians, Labour, for installing the lights as per the final drawing/site condition consisting of clamps, brackets, angles, conduites, joints, hardwares like fasterners, nut & bolts etc.,	each	1.00	208194.00	208194.00
108	Dismantling of Kerb Stone Dismantling kerb stone by manual means and disposal of dismantled material with all lifts and lead (Volume III , Item No. 2.21 , Page No. 10)	Mtr	110.20	20.61	2271.35
109	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge. (Volume II , Item No. 19.2.1 , Page No. 163)	Cum	25.08	1458.82	36579.80
	Above125%	Cum	5.37	1477.18	7939.28
110	Dismantling tile work in floors and roofs laid in cement mortar including stacking material to the appropriate disposal area as per direction of Engineer-in-charge. For thickness of tiles 10 mm to 25 mm	Sqm	185.13	42.37	7844.20
	Above125%		18.28	42.37	774.29
111	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)	Nos.	246.00	527.77	129831.86
112	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate sections and other sections of approved make conforming to IS: 733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For Fixed Portion :Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron) including cost of materials, labour, usage charges of machinery coof operation 50KVA/40kwransportation,unloading,scaffolding charges and all oth	Kgs	0.00	0.00	0.00

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
113	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m	cum	217.50	227.87	49562.44
	Above 125%		65.32	262.23	17129.38
114	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Volume-1, Pg. No. 16 & 17, It. No. 2.4.3 of PWD SR 2021-22)	cum	3.34	7934.06	26509.66
115	Providing Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	0.00	0.00	0.00
116	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	1.28	233.59	298.07
117	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete.	Cum	0.00	0.00	0.00
118	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	kg	151.20	163.75	24758.93
	Above 125%	kg	31.71	163.75	5192.50
119	Providing & fixing of 2-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having a overall size of 60mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm X 58mm with GI reinforcement of 1mm for the frame and 1.5 mm for the sash. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24mm. Windows shall be provided with 5mm plain float glass, standard hardware& single point locking system with touch lock. Wall thickness of frame & sash shall be of 2-2.5 mm. Maximum possible size – 1819mm x 1819mm (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made)	sqm	1.41	7341.03	10350.85

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SL. No.	Description of Work	Units	S-B Quantity Now	Rate in Rs.	Amount in Rs.
120	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	74.29	1326.32	98532.66
121	Providing Mathi/Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.	Cum	0.00	0.00	0.00
122	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures)	Sqm	0.00	0.00	0.00
123	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	sqm	0.00	0.00	0.00
124	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.	sqm	436.72	3298.94	1440697.89
125	Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.	sqm	0.00	0.00	0.00
126	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.	sqm	474.99	95.05	45145.67
127	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.	Sqm	30.38	853.08	25916.57
128	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) (Volume-3, Pg. No. 3, It. No. 1.1, PWD, SR 2021-22)	Cum	0.00	0.00	0.00

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
129	DIESEL GENERATOR SET Supplying, installing, testing and commissioning of Diesel Generator set with following specifications. Power rating as per standard reference condition as per-BS 5514 / ISO 3046 / ISO 8528 & IS 1002 / ISO 3046 Generator set specifications Engine: Diesel generating set are rated at 1500RPM and conform to ISO 8528 specifications. The engines are radiator cooled, four stroke and multi cylinder, conforming to ISO 3046. The scope of supply includes: Electrical starter motor 12V DC Battery charging alternator, Bosch fuel system with mechanical governor, A1 Class. Spin-on lube oil filter, Spin-on dual fuel filter with water separator, Turbocharger, Charge air cooler, Silencer (Hospital grade),Dry type air cleaner, Shutoff coil, Flywheel and flywheel housing, First fill of lube oil and coolant, Safety for low lube oil pressure, Safety for high water temperature, Permissible overload of 10% for one hour in 12 hours of operation Capacity of Fuel Tank: Fuel tank suitable for 8 hours of operation 50KVA/40kw	Each	1.00	633393.81	633393.81
130	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Electric resistance or induction butt welded tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Each	0.00	0.00	0.00
131	Providing & fixing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete as per design drawings (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required as per the direction of Engineer in charge. 0.63 mm thick with zinc coating not less than 275 g/ m^{2}	Sqm	0.00	0.00	0.00
132	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : 510x1040 mm bowl depth 250 mm	Kgs	0.00	0.00	0.00
133	Providing and fixing C.P. brass long body bib cock of approved qualityb conforming to IS standards and weighing not less than 690 g.	Each	0.00	0.00	0.00
134	Providing and Fixing CPVC pipes, Internal work-Exposed on Wall 20mm nominal dia pipes (Vol II , Item No . 13.31.2) 1st Corrigenda w.e.f 21-04-2022 .	Mtr	0.00	0.00	0.00
135	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	1.62	4190.95	6768.38
136	Brass Name Board (Data Rate Approved)	Sqm	0.00	0.00	0.00
137	The MEG 14-40 is a matt-black-painted, 40 cm gooseneck microphone with one flexible section, an XLR connection and built-in Sennheiser KE10 cardioid microphone capsule. (SENNHEISER) as per specifications and directions of the Engineer in charge. (Data Rate to Be Approved)	No	0.00	0.00	0.00
138	The MAT 133-S is a sturdy, wired table stand that provides a stable base for XLR-3 gooseneck microphones. (SENNHEISER) as per specifications and directions of the Engineer in charge. (Data Rate to Be Approved).	No	0.00	0.00	0.00

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
139	UHF Wireless Handheld Microphone.(SENNHEISER) as per specifications and directions of the Engineer in charge. (Data Rate to Be Approved).	No	0.00	0.00	0.00
140	2-way Cabinet Loudspeaker, LF Driver 5.25" & HF Driver 1" Max Power Handling 100W @ 8 Ohms ; Multiple 100V Taps : 40W/20W/10W; Frequency range 65Hz – 20Khz ; Sensitivity 87 dB and Max SPL 104 dB; Coverage of 110° x 110° (H X V) ; IP55 Rated; Operating Temperature -20°C to 70°C; ABS Plastic Housing with steel grill. Mounting Bracket Included. Black.	No	0.00	0.00	0.00
141	Single Channel Class D Amplifier; Power Output 240 W / CH @ 100V; Protection : DC Shorcuit, Over load, Over heat, Signal Limiting, Temperature controlled Fan; THD < 1%; SN Ratio > 90 dB; Crosstalk < 80 ; Input : XLR Connector with link ; Output : 4-pin Terminal; Switch Mode Power Supply	No	0.00	0.00	0.00
142	16-Channel Mixing Console. (YAMAHA) as per specifications and directions of the Engineer in charge. (Data Rate to be Approved)	No	0.00	0.00	0.00
143	Installation Material with Speaker cables, Mic Cables Connectors . Complete as per specifications and directions of the Engineer in charge	No	0.00	0.00	0.00
144	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (Item No8.2.1, Page no 41 of PWD SR 2021-22)	Sqm	285.72	289.71	82773.61
145	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (First Floor)	Sqm	296.40	292.33	86647.83
146	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Second Floor)	Sqm	281.79	294.97	83120.83
147	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 900mm,complete as per Specification.and directions of the Engineer in charge.(First Floor)	Sqm	167.16	3328.93	556472.73
148	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 900mm,complete as per Specification.and directions of the Engineer in charge.(Second Floor)	Sqm	205.00	3358.92	688562.36
149	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 900mm,complete as per Specification.and directions of the Engineer in charge.(Third Floor)	Sqm	200.91	3388.91	680874.89

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
150	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specificationand directions of the Engineer in charge.(Item No 14.51, Page no 110 of PWD SR 2018-19)	Sqm	28.12	5102.42	143470.44
	Above 125%		80.49	5102.57	410708.95
151	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specificationand directions of the Engineer in charge.(First Floor) (Item No 14.51, Page no 110 of PWD SR 2018-19)	Sqm	11.91	5148.81	61322.28
152	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specification.and directions of the Engineer in charge.(Second Floor) (Item No 14.51, Page no 110 of PWD SR 2018-19)	Sqm	11.91	5195.19	61874.76
153	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.. - Ground Floor (Item No 10.18, Page no 72 of PWD SR 2021-22)	Sqm	229.04	3518.80	805945.00
154	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.. - First Floor (Item No 10.18, Page no 72 of PWD SR 2021-22)	Sqm	186.53	3550.78	662308.94
155	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.. - Second Floor (Item No 10.18, Page no 72 of PWD SR 2021-22)	Sqm	192.54	3582.77	689837.46
156	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete..(Item No 9.11, Page no 60 of PWD SR 2021-22)	Sqm	15.60	885.14	13808.21

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Sl. No.	Description of Work	Units	S.B Quantity New	Rate in Rs.	Amount in Rs.
157	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete..(First Floor)	Sqm	17.62	893.18	15735.83
158	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete...(Second Floor)	Sqm	23.29	901.23	20987.44
159	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (Item No 9.39, Page no 65 of PWD SR 2021-22)	Sqm	125.57	2376.02	298356.70
160	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (First Floor)	Sqm	106.59	2397.81	255561.43
161	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (Second Floor)	Sqm	127.04	2419.21	307324.89
162	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (Second Floor)	Sqm	461.58	95.91	44269.47
163	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(Item No 8.51, Page no 50 of PWD SR 2021-22)(Second Floor)	Sqm	478.06	96.77	46262.42
164	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(Item No 8.51, Page no 50 of PWD SR 2021-22) - Terrace Floor	Sqm	120.15	97.63	11730.13
165	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Item No 8.25, Page no 45 of PWD SR 2021-22)-First Floor	Sqm	461.58	121.33	56002.87

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L. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
166	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Item No 8.25, Page no 45 of PWD SR 2021-22)-Second Floor	Sqm	478.06	122.42	58523.55
167	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Item No 8.25, Page no 45 of PWD SR 2021-22)-Terrace Floor	Sqm	208.95	123.51	25806.51
168	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Item No 8.30, Page no 45 of PWD SR 2021-22) -first floor	Sqm	220.84	157.15	34704.81
169	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Item No 8.30, Page no 45 of PWD SR 2021-22) - Second Floor	Sqm	222.25	158.56	35241.47
170	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Item No 8.30, Page no 45 of PWD SR 2021-22) - Third Floor	Sqm	218.87	159.97	35013.89
171	.1 Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.(Item No 15.1, Page no 133 of PWD SR 2021-22) - first floor	Sqm	18.45	860.83	15882.36

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L. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
172	.1 Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.(Item No 15.1, Page no 133 of PWD SR 2021-22) - Second Floor	Sqm	21.90	868.59	19022.02
173	KSRB 8.5 : Providing and laying cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications. ---- etc.,complete with all lead & lift and as per the instructions and directions of the Engineer-In-Charge of the work.(Item No 7.18, Page no 23 of PWD SR 2021-22)	Cum	3.94	2309.61	9094.07
174	KSRB 8.5 : Providing and laying cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications. ---- etc.,complete with all lead & lift and as per the instructions and directions of the Engineer-In-Charge of the work.(Item No 7.18, Page no 23 of PWD SR 2021-22)- First Floor	Cum	5.54	2330.59	12899.83
175	KSRB 8.5 : Providing and laying cinder concrete in cement 1:15 (1 cement : 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications. ---- etc.,complete with all lead & lift and as per the instructions and directions of the Engineer-In-Charge of the work.(Item No 7.18, Page no 23 of PWD SR 2021-22) - Second Floor	Cum	6.57	2351.59	15449.95
176	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications and directions of the Engineer in charge(First Floor)	Cum	5.54	6847.35	37900.09
177	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications and directions of the Engineer in charge(Second Floor)	Cum	6.57	6909.05	45392.44
178	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification.(Item No 12.57.3, Page no 104 of PWD SR 2021-22)	Sqm	16.07	3020.69	48527.33

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	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991, from manufacturer complete as per specification.(Item No 12.57.3, Page no 104 of PWD SR 2021-22) - First Floor	Sqm	13.86	3048.15	42247.34
180	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991, from manufacturer complete as per specification.(Item No 12.57.3, Page no 104 of PWD SR 2021-22) - Second Floor	Sqm	12.60	3075.61	38752.69
181	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters with both side prelam made from M.S. tube of 19x19mm, 19 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer (Item No 12.55.1, Page no 104 of PWD SR 2021-22)	Sqm	9.45	4354.69	41151.87
182	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters with both side prelam made from M.S. tube of 19x19mm, 19 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer (Item No 12.55.1, Page no 104 of PWD SR 2021-22) -First Floor	Sqm	15.12	4394.28	66441.53
183	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters with both side prelam made from M.S. tube of 19x19mm, 19 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer (Item No 12.55.1, Page no 104 of PWD SR 2021-22)- Second Floor	Sqm	13.23	4433.87	58660.0

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
184	UPVC WINDOWS Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm- .5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) (Item No 12.9, Page no 110 of PWD SR 2021-22)	Sqm	17.82	8290.29	147732.88
185	UPVC WINDOWS Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm- .5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) (Item No 12.9, Page no 110 of PWD SR 2021-22) - First Floor	Sqm	26.46	8365.65	221355.13
186	UPVC WINDOWS Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm- .5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) (Item No 12.9, Page no 110 of PWD SR 2021-22) - Second Floor	Sqm	27.00	8441.02	227907.47
187	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.. - First Floor	Kg	120.38	577.74	69545.25

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
188	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.. - Second Floor	Kg	67.50	582.94	39348.67
189	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Electric resistance or induction butt welded tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. (Vol II , Page No. 81 Item No . 11.16.3)	Kg	8340.17	129.24	1077883.15
EX-1	Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for Brick/Rcc/stone walls & coloumns/ beams with necessary aluminium frame works at required level made out of 50x25x4mm C section or equivalent. The panel should consist of 3mm thick non-halogenated FR grade mineral based polymer (2 hrs fire resistance as per ASTM E119-12 and clause B, S1, do as per ENT 13501-1sandwiched between 0.50 skins thick aluminium sheet making a total panel thickness of 4mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done with necessary rods etc., complete (KWPD 2021-22, V-II, Item No.10.15.1, Page No.71)	sqm	58.54	4510.55	264061.06
EX-2	Constructing un-reinforced, plain cement concrete for pavements using Grade RMC M-30 grade using Cement 270kgs & GGBS 90kgs(70:30 proportion) from ISO 9001 accredited Plants as per IS 4926-2003 With mix design procedure and thickness as per design, over a prepared sub base.The superplastisiser Confirming to IS9103-1999 Reaffirmed-2008,Coarse aggregates and Fine aggregates Confirming to IS:383-2016, transported to site,laid in approved fixed side form work(steel channel,laying and fixing of 125 micron thick polythene film,Wedges,steel plates including levelling th form work). Spreading the Concrete with shovels, rackers and compacted using needle,suitable plate vibrator and finished in a Continous operation including provision of separation membrane and hessain cloth finishing to lines and grades complete including cost of all materials, labour,all lead & lift,loading charges as per specification & direction of Engineer-in charges of the work. Issue Rate 13-05-2022	Cum	88.15	7456.89	657311.91
EX-3	Name Board (Data Rate Approved)		1600.00	192.59	308136.00
EX-4	High quality long throw multi color wash light, Protection Rating : IP65, Additional wall mount yoke arrangements for fixing the lights. Power consumption : 150W, CCT : RGBW, Beam Angle 25º / 45º, Control : DMX512, Die casted / extruded aluminium body, Optics Designed to minimize hot spots & fringing in color mixing applications. Power Input : DC 24V (without DC Driver) Code: AK WASH 150 RGBW / Equivalent		8.00	35140.00	281119.97

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SL. No.	Description of Work	Units	S-B Quantity New	Rate in Rs.	Amount in Rs.
EX-5	Power Distribution Board made up of MS Sheet metal fabricated housing black powder coated and iveryconnectors for the internal terminations and external outgoing connecting points, fibre / brass glands of suitablesize fitted MCB control for outgoing circuits. - 12 Nos of 6/10A SP Outgoing MCB's. - 1No of 32A TPN Incoming MCB.		1.00	53091.00	53091.00
EX-6	Project Lighting Design, Show programming, Project Consulting, Installation, Commissioning, Client Team Training for Daily Operation & Final Handove		1.00	494475.00	494475.00
EX-7	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. (Volume II Item -21.2 Pg no 189)	sqm	1040.00	285.13	296535.10
EX-8	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :One coats on old work as per specifications and as per directions of Engineer in charge.	sqm	246.83	67.56	16676.06
EX-9	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. (Volume II Item -7.38 Pg no 26)	Sqm	88.00	636.68	56027.45
EX-10	Supply, Installation, Testing and Commissioning of LED RGB/RGBW floodlighting luminaire for facade lighting with Die-cast aluminium housing, powder-coated finish, of following wattage. Luminaire shall be capable of producing dynamic color changing light for with 16 million colors by DMX/Ethernet based control. The beam angle of the fitting shall be narrow, medium, wide or asymmetric as per the requirement. Luminaire shall be complete with driver and capable of operating at line voltage without any separate power supply from 100-270 V AC, 50 Hz with power factor > 0.9. Fixture shall be suitable to operate at an ambient temperature range of - 10°C to +50°C and shall be IP 65 and IK 06 rated. Lifetime shall be at least L70:50000 burning hours at 50°C. Luminaire shall be conforming to BIS (IS 10322) and shall be complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required.(30v)	Each	4.00	20839.78	83359.12

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SL. No.	Description of Work	Units	Quantity	Rate in Rs.	Amount in Rs.
EX-11	Supply, Installation, Testing and Commissioning of LED RGB/RGBW floodlighting luminaire for facade lighting with Die-cast aluminium housing, powder-coated finish, of following wattage. Luminaire shall be capable of producing dynamic color changing light for with 16 million colors by DMX/Ethernet based control. The beam angle of the fitting shall be narrow, medium, wide or asymmetric as per the requirement. Luminaire shall be complete with driver and capable of operating at line voltage without any separate power supply from 100-270 V AC, 50 Hz with power factor > 0.9. Fixture shall be suitable to operate at an ambient temperature range of - 10°C to +50°C and shall be IP 65 and IK 06 rated. Lifetime shall be at least L70:50000 burning hours at 50°C. Luminaire shall be conforming to BIS (IS 10322) and shall be complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required.(30v)	Each	4.00	40651.05	162604.20
				Total	87288790.04

Executive Engineer
Project Division
Yelahanka Zone
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